

Title (en)
Silicate phosphor.

Title (de)
Silikat-Phosphor.

Title (fr)
Matière luminescente à base de silicate.

Publication
EP 0254066 A1 19880127 (EN)

Application
EP 87109136 A 19870625

Priority
• JP 14803586 A 19860626
• JP 17288186 A 19860724

Abstract (en)
A silicate phosphor comprising manganese as an activator, a trivalent element and a pentavalent element, wherein said trivalent element is at least one element selected from the group consisting of boron and indium, said pentavalent element is at least one element selected from the group consisting of arsenic, antimony and bismuth, the content of the trivalent element is from 1×10^{-4} to 2×10^{-2} gram-atom/mol, the content of the pentavalent element is not more than 3×10^{-3} gram-atom/mol, and the molar ratio of the trivalent element to the pentavalent element (trivalent element/pentavalent element) is at least 1.5.

IPC 1-7
C09K 11/74; **C09K 11/75**

IPC 8 full level
C09K 11/74 (2006.01); **C09K 11/75** (2006.01)

CPC (source: EP KR US)
C09K 11/57 (2013.01 - KR); **C09K 11/7442** (2013.01 - EP US); **C09K 11/757** (2013.01 - EP US)

Citation (search report)
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